PEDIGO

P-2040-S

Blanket Warming Cabinet Manual

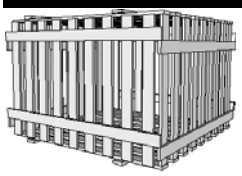
BLANKET WARMING CABINETS

TRANSPORT and STORAGE

Transport and Storage Environmental Conditions (not to exceed 15 days)

Ambient temperature range of -40°F (-40°C) to +158°F (+70°C)
Relative humidity range of 10% to 100%, including condensation
Atmospheric pressure range of 50KPa to 106KPa

UNPACKING AND SET-UP



The Pedigo Warming Cabinet has been thoroughly tested, checked for calibration, and inspected to insure only the highest quality. When you receive your unit, check for any possible shipping damage and report it at once to the delivering carrier.

The cabinet, complete with unattached items and accessories, may be delivered in one or more packages. Save all the information and instructions packed inside the cabinet.

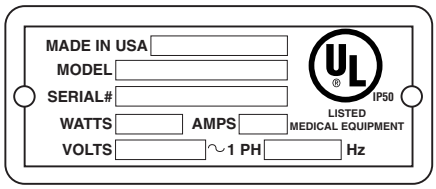
Complete and return the warranty card to the factory as soon as possible to assure prompt service in the event of a warranty parts and labor claim. *All claims for warranty must include the full model number and serial number of the cabinet.*

After unpacking the unit, allow it to remain under stable atmospheric conditions for several hours before connecting to the power source. Extreme changes in temperatures and/or humidity during storage and/or transportation could have allowed condensation to form in the unit.

NOTE: *Pay particular attention throughout this manual to the warning and caution symbol which means: Attention, Consult Operation Manual before proceeding.*

ELECTRICAL INFORMATION

The power specifications are located on the unit identification nameplate. This nameplete is permanently attached to the unit and must be located to determine and verify power requirements.



ENSURE POWER SOURCE MATCHES VOLTAGE STAMPED ON UNIT NAMEPLATE.

CAUTION

POWER REQUIREMENTS

120 V.A.C. — 60 Hz, 1 ph
2000 Watts, 16.0 Amps

Hazardous Voltage Present

NEMA 5-20P
20A - 125V Plug
Hospital Grade

Grounding reliability can only be achieved when equipment is connected to an equivalent receptacle marked "Hospital Grade."

Protective Earth Ground Symbol

Medical Equipment classified by Underwriters Laboratories with Respect to Electrical Shock, Fire and Mechanical Hazards only, in Accordance with UL 544 and CAN/CSA C22.2 No. 601.1.

GENERAL INFORMATION

The double compartment warming cabinet is constructed with 22 gauge stainless steel exterior casing and doors, with handles and hinges designed to withstand heavy usage. The cabinet is heated by means of the Halo Heat® system incorporating low watt density cable mounted around each compartment. This system provides evenly distributed heat without the need of a heat-circulating fan. Each compartment is controlled by an adjustable, electronic thermostat, which includes a heat indicator L.E.D., temperature set button, temperature increase and decrease button, and digital display to monitor compartment temperature. The thermostats have a temperature range of 90°F (32°C) minimum to 200°F (93°C) maximum. Each chamber is equipped with one (1) white, epoxy-coated blanket support assembly, with shelf. The cabinet is furnished with one (1) set of 5" (127mm) heavy-duty casters — two rigid and two swivel with brake.

PREPARATION

Before operating the cabinet, clean both the interior and exterior of the unit with a damp cloth and mild soap solution. Wipe with an appropriate disinfectant. Clean and install the cabinet shelf assembly. Do not install or operate the blanket warmer in close proximity of flammable anesthetics.

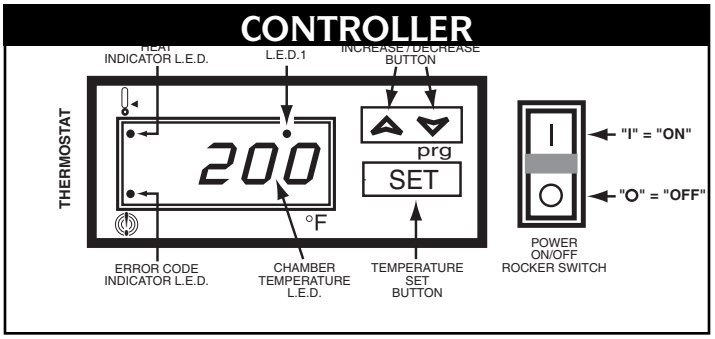
CAUTION

At no time should the inside or outside of the cabinet be washed down by flooding with water or liquid solution. **NEVER STEAM CLEAN.** Severe damage or electrical hazard could result.

Explosion risk if used in the presence of flammable anesthetics.

OPERATIONAL PROCEDURES

CONTROLLER



- **L.E.D., Light Emitting Diode,** referred to is an electronic device providing illumination.

1. TURN POWER SWITCH ON.

The heat indicator L.E.D. will illuminate and remain lit while the unit is calling for heat. The digital display will indicate air temperature of the heated compartment. The heat indicator L.E.D. will go out when the air temperature inside the unit reaches the temperature set-point on the electronic thermostat.

2. VIEW OR CHANGE SET-POINT.

A. Push the SET button once. The set-point value (current set-point holding temperature) will be displayed for 5 seconds. ***NOTE:*** *Factory default is 90°F (32°C).*

B. The set-point value can be changed by pressing and holding the SET button for at least 4 seconds. The programming mode becomes active and the LED1 indicator will blink. *Press and hold* the UP or DOWN arrow button to change the value shown in the display. The value can be stored either by pressing the SET button or by waiting the exit time-out to expire (approximately 15 seconds). The new set-point value will flash three times to confirm. This value will be retained until it is changed again. The minimum set-point temperature is 90°F (32°C) while the maximum set-point temperature is 200°F (93°C). Typical temperature settings are around 160°F (71°C).

3. LOAD THE CABINET WITH BLANKETS.

Check that the epoxy-coated blanket support assembly and shelf are in place. The warming cabinet is designed to elevate blanket temperatures to a level which will increase patient comfort. Do not fill cabinet any closer than 2" from ceiling of warming chamber (If sensor becomes blocked, overheating could result.) A full load of blankets will take several hours to reach optimum temperature. Make certain the cabinet door is securely closed after initial loading and following each blanket removal.

DO NOT BLOCK SENSOR BY OVERLOADING CABINET WITH BLANKETS. OVERHEATING COULD OCCUR.

THERMOSTAT and INDICATOR L.E.D. SEQUENCE

Whenever the thermostat is turned "ON," the heat indicator L.E.D. will indicate the power "ON/OFF" condition of the heating cable, and consequently, the cycling of the cabinet as it maintains the set-point cavity temperature. If the L.E.D. does not illuminate after normal start-up, the main power source and thermostat must be checked. If the warming cabinet does not hold the temperature as set, the calibration of the thermostat must be checked. If the warming cabinet fails to heat with the L.E.D. illuminated, or heats continuously with the L.E.D. of thermostat "OFF," unplug and call for service.

THERMOSTAT ACCURACY

The electronic thermostat is a precise instrument and is designed to offer trouble-free service. If you suspect the temperature inside the warming cabinet does not match the temperature indicated on the digital display, after stabilizing, follow the instructions listed below.

1. Check to make certain the power meets the requirements of the appliance, voltage and current rating as indicated on identification tag.
2. Verify the temperature inside the warming cabinet with a quality thermal indicator.
   - **A.** With the exception of the metal shelves, completely empty the warming cabinet.
   - **B.** Make certain the sensor, located inside the warming cabinet at the left side of the ceiling, is completely clean.
   - **C.** Suspend the thermal indicator in the center of the warming cabinet.
   - **D.** Allow the temperature, set on the electronic thermostat, to stabilize for a minimum of one hour before comparing the digital display with the reading on the thermal indicator.

     DO NOT OPEN THE CABINET DOOR(S) DURING THE TEMPERATURE STABILIZATION PERIOD.

If the reading on the thermal indicator does not match the digital display within 10°F (6°C), contact Pedigo for appropriate action.

CARE and CLEANING

The cleanliness and appearance of this equipment will contribute considerably to its operating efficiency. Make certain the cabinet and door gaskets are kept free of any debris that may accumulate.
Good equipment that is kept clean works better and lasts longer.

CLEAN THE UNIT REGULARLY.

1. Disconnect the cabinet from the power source.
2. Remove all detachable items such as metal shelves and side guards. Clean these items separately.
3. Clean the interior metal surfaces of the cabinet with a damp cloth and any mild commercial detergent. Avoid the use of abrasive cleaning compounds.
4. Clean the exterior of the cabinet with a cleaner recommended for stainless steel. Spray the cleaner on a clean cloth and wipe with the grain.
5. If equipped with window doors, clean the glass with a standard commercial glass cleaner.

NO SCRAPERS

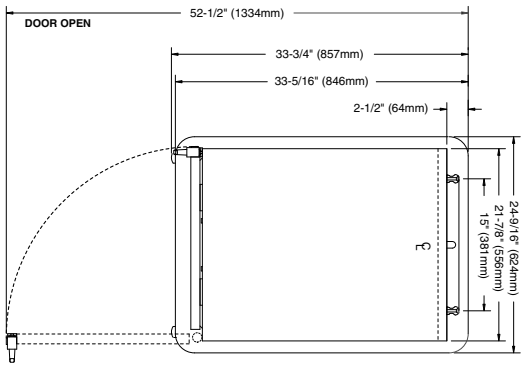
NO STEEL PADS

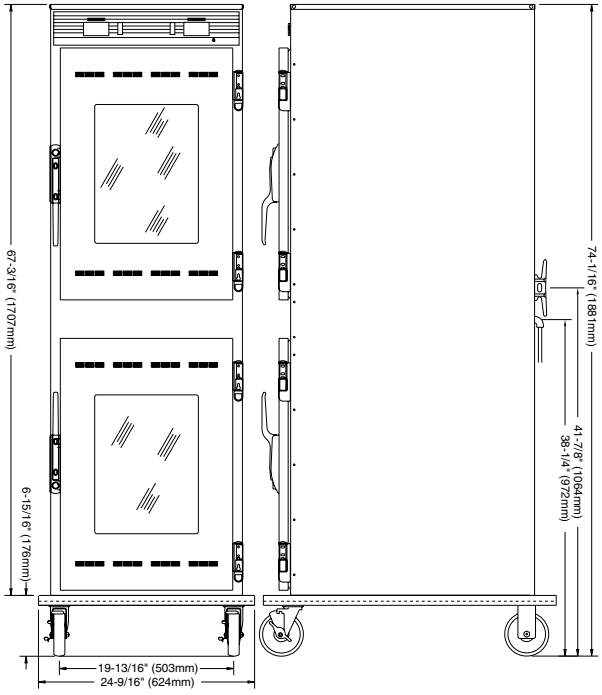
NOTE: Do not use abrasive cleansers on the exterior of the cabinet. Use a non-abrasive cleaner or distilled white vinegar to remove water spots or other stains.

DISCONNECT POWER BEFORE CLEANING.

At no time should the inside or outside of the cabinet be washed down by flooding with water or liquid solution. **NEVER STEAM CLEAN.** Severe damage or electrical hazard could result.
(Listed as Ordinary Equipment.)

OUTSIDE DIMENSIONS





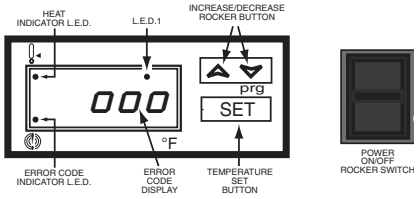
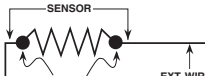
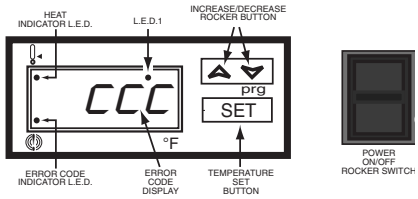
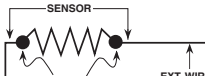
P-2040-S shown with optional window doors and full-perimeter bumper.

CAUTION

This chart is provided for the assistance of qualified technicians only and is not intended for use by untrained or unauthorized service personnel. If your unit is not operating properly, check the following before calling your authorized service agent. Check the power applied to the unit. Plug in outlet? Fuse OK?

Do not attempt to repair or service beyond this point. Contact manufacturer for nearest authorized service agent. Repairs made by any other service agent without prior authorization by manufacturer will void the warranty on the unit.

Trouble Shooting Guide

Error Code	Possible Cause	Action Required
1. Control displays "ooo". 	A. Sensor is open circuited.	 Detach the sensor from the terminal block. Use an Ohm meter to measure the resistance of the sensor. Check sensor at 32°F (0°C) using a container of ice water. If Ohm reading is 100, replace display. If Ohm reading is not 100, replace sensor.
	B. Associated wiring is open circuited.	Check wires for integrity. Check for proper and secure connections at the thermostat and terminal block. If necessary, re-secure the faulty connections.
	C. Control is faulty.	Energize system after the above steps have been completed. If control still reads "ooo", call service technician.
2. Control displays "CCC". 	A. Sensor is short circuited.	 Detach the sensor from the terminal block. Use an Ohm meter to measure the resistance of the sensor. Check sensor at 32°F (0°C) using a container of ice water. If Ohm reading is 100, replace display. If Ohm reading is not 100, replace sensor.
	B. Associated wiring is short circuited.	Check wires for integrity. Check for proper and secure connections at the thermostat and terminal block. If necessary, re-secure the faulty connections.
	C. Control is faulty.	Energize system after the above steps have been completed. If control still reads "CCC", call service technician.

CAUTION

DISCONNECT UNIT FROM POWER SOURCE BEFORE CLEANING OR SERVICING.

Notes:

SERVICE VIEW PARTS LIST

P-2040-S
BLANKET WARMING CABINET

5/2/01

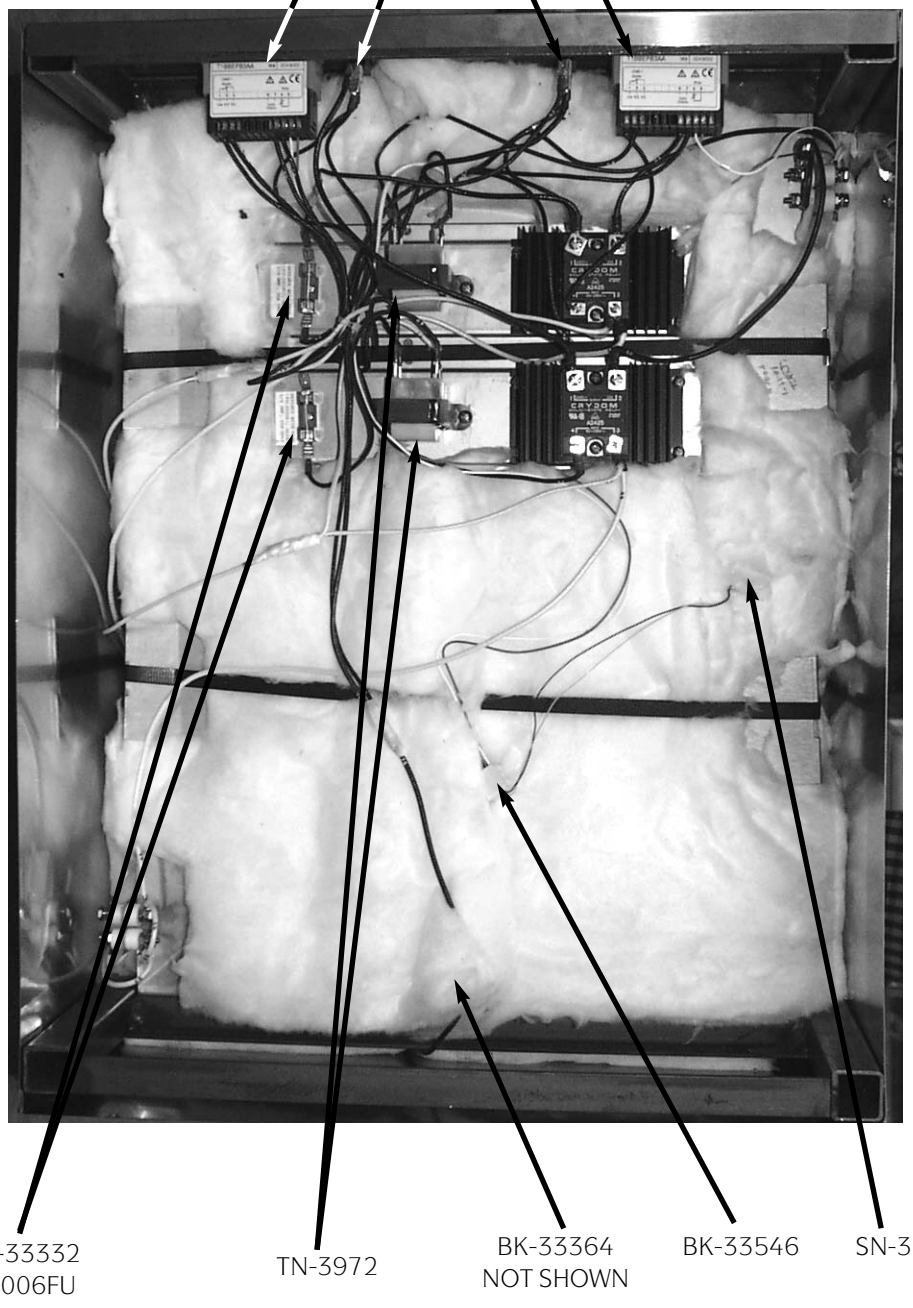
	PART DESCRIPTION	UNIT QUANTITY	PART NUMBER
1.	TOP ASSEMBLY	1	4460
2.	SCREW, #8-32 X 1/4" TRUSS HEAD S/S M/S	69	SC-2425
3.	CORDSET, HOSPITAL GRADE, 12/3 W/NEMA 5-20 PLUG	1	E3029CD
4.	CASING SIDE, LEFT-HAND (heavy duty construction)	1	1844
	CASING SIDE, RIGHT-HAND (heavy duty construction)	1	1897
5.	BOTTOM ASSEMBLY	1	4572
6.	INSULATION: Size 25" x 100" (635mm x 254cm)	2	IN-2381
7.	CABLE KIT (BOTH CAVITIES)	1	4876
	CABLE KIT, 106' (3231cm) (SINGLE CAVITY)	1	4874
8.	THERMOSTAT	2	TT-33563
	THERMOSTAT FACE PLATE, PLAIN "F-DEG"	2	E3037TT
9.	POWER SWITCH	2	SW-3962
10.	DUAL SPADE CONNECTOR	2	CR-3849
11.	RELAY	2	RL-3736
12.	TRANSFORMER	2	TN-3972
13.	FUSE, 1/4 A, SLOW BLOW	2	FU-33332
14.	SENSOR SERVICE KIT	2	14785
15.	TERMINAL BLOCK, SENSOR	2	BK-33546
16.	TERMINAL BLOCK	2	BK-33364
17.	SLAB DOOR ASSEMBLY	2	15147
18.	HINGE SET WITH BUMPERS (1 pair of 2 hinges)	2	4265
	HINGE TO DOOR & UNIT MOUNTING SCREWS	24	SC-2070
19.	DOOR HANDLE	2	HD-24171
	DOOR HANDLE MOUNTING SCREWS	8	SC-2073
	DOOR HANDLE STRIKER MOUNTING SCREWS	4	SC-2713
20.	DOOR GASKET ASSEMBLY: 8' (244cm) per door	2	GS-23794
21.	CONTROL PANEL OVERLAY	1	E2088PE
22.	BLANKET SUPPORT ASSEMBLY		
	— WALL ASSEMBLY	1	E4015
	— CENTER SHELF	1	E1006
23.	CASTERS, 5" (127mm) SWIVEL WITH BRAKE	2	CS-2026
24.	CASTERS, 5" (127mm) RIGID	2	CS-2025
25.	CASTER MOUNTING SCREWS	16	SC-2351

SERVICE VIEWS • PAGES 8 & 9

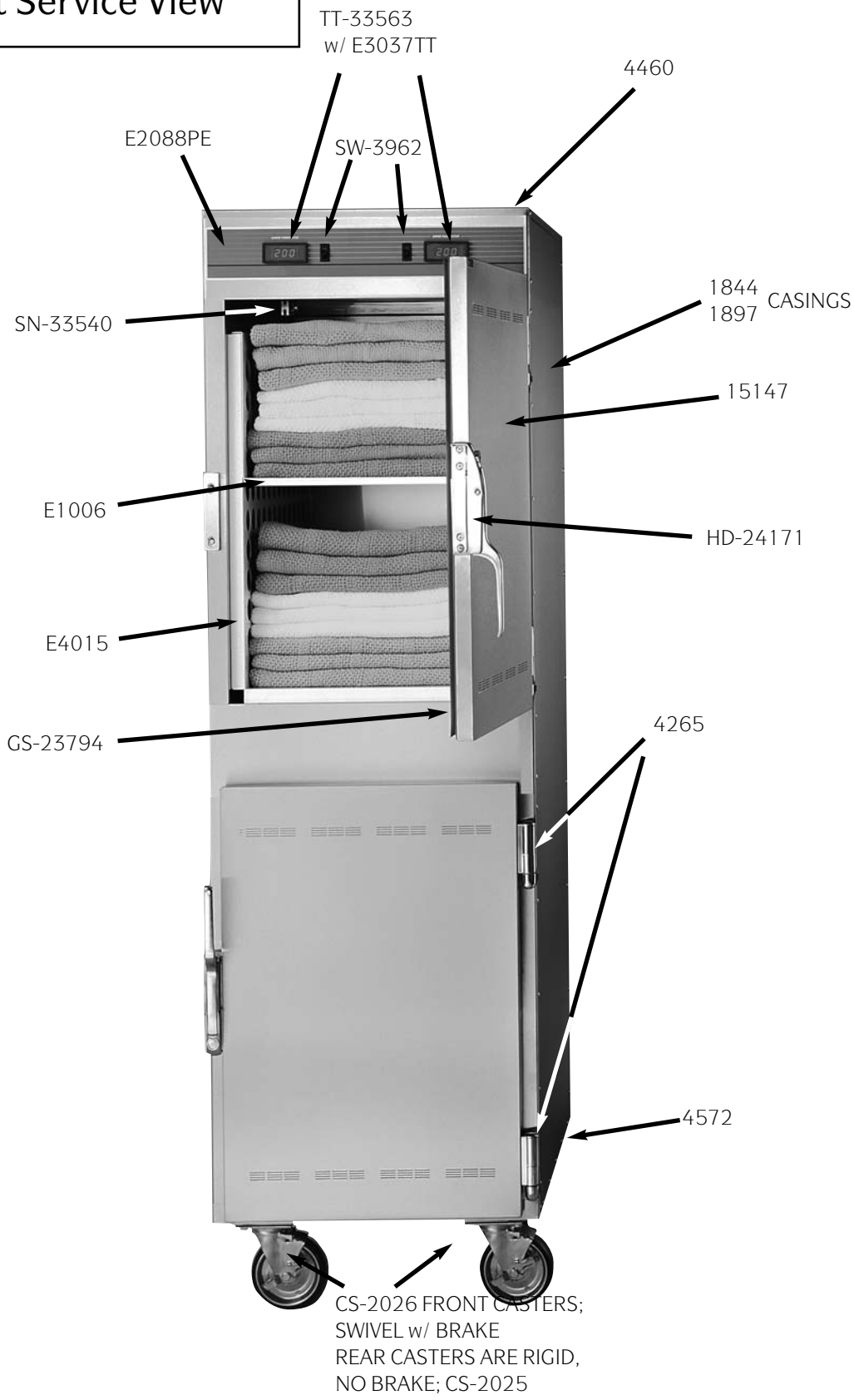
OPTIONS and ACCESSORIES

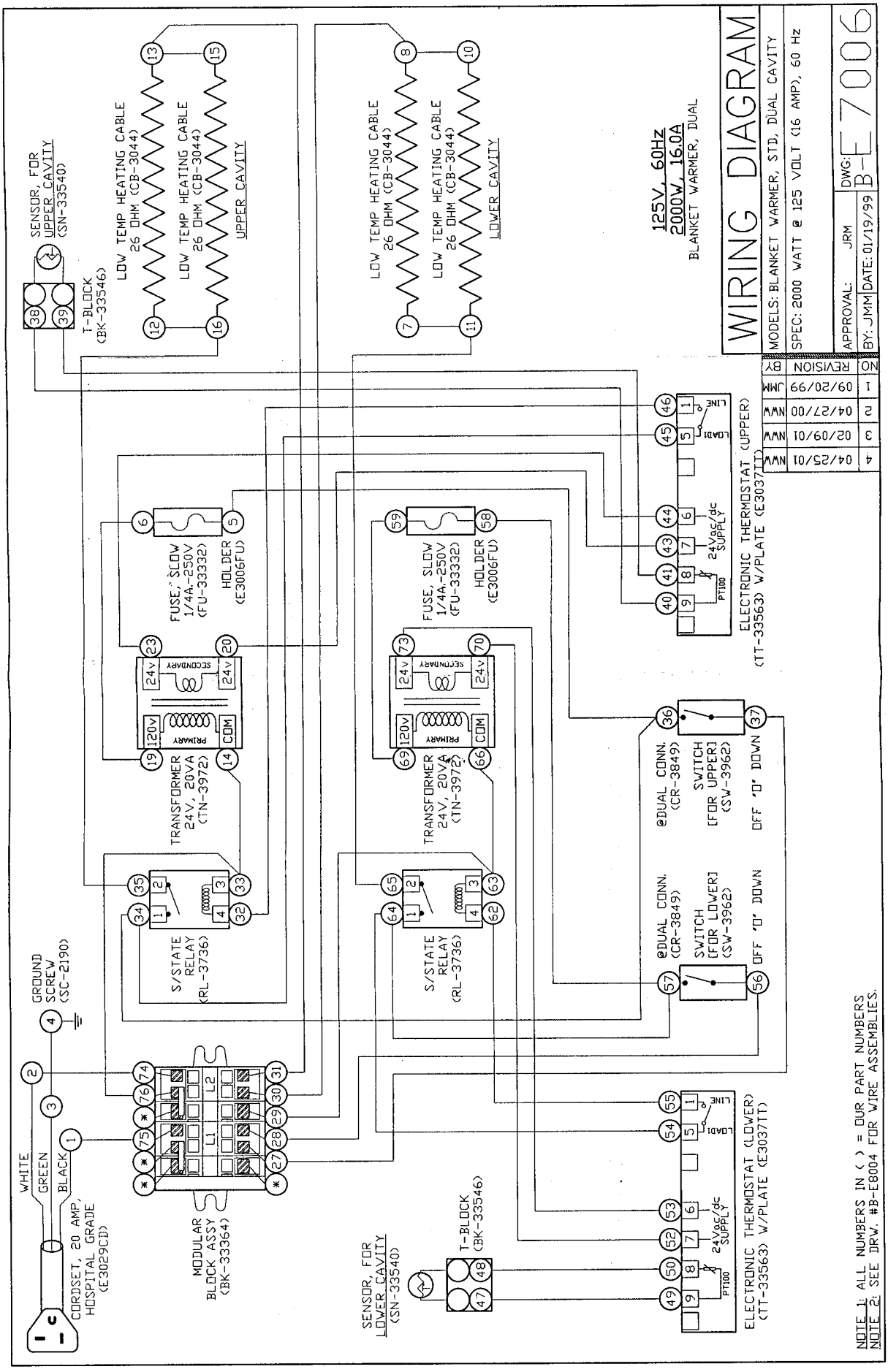
Bumper Guards	15031
Full Perimeter Bumper	E5087
Legs, 6" (152mm)	5205
Lock, Cylinder	LK-22567
Window Door	15148

P-2040-S
Bonnet Service View



P-2040-S
Cabinet Service View




WIRING DIAGRAM
MODELS: BLANKET WARMER, STD, DUAL CAVITY
SPEC: 2000 WATT @ 125 VOLT (16 AMP), 60 Hz
APPROVAL: JRM
BY: JMM DATE: 01/19/99
DWG: B-E7006
125V, 60Hz
2000W, 16.0A
BLANKET WARMER, DUAL
NO REVISION BY
4 04/25/01 NWW
3 02/09/01 NWW
2 04/27/00 NWW
1 09/20/99 JMM
LOW TEMP HEATING CABLE 26 OHM (CB-3044) UPPER CAVITY
LOW TEMP HEATING CABLE 26 OHM (CB-3044) LOWER CAVITY
SENSOR, FOR UPPER CAVITY (SN-33540)
T-BLOCK (BK-33546)
FUSE, SLOW 1/4A-250V (FU-33332)
HOLDER (E3006FU)
TRANSFORMER 24V, 20VA (TN-3972)
S/STATE RELAY (RL-3736)
@DUAL CONN. (CR-3849)
SWITCH [FOR UPPER] (SW-3962)
OFF 'O' DOWN
ELECTRONIC THERMOSTAT (UPPER) (TT-33563) W/PLATE (E3037TT)
GROUND SCREW (SC-2190)
WHITE
GREEN
BLACK
CORDSET, 20 AMP, HOSPITAL GRADE (E3029CD)
MODULAR BLOCK ASSY (BK-33364)
SENSOR, FOR LOWER CAVITY (SN-33540)
T-BLOCK (BK-33546)
ELECTRONIC THERMOSTAT (LOWER) (TT-33563) W/PLATE (E3037TT)
NOTE 1: ALL NUMBERS IN ( ) = OUR PART NUMBERS
NOTE 2: SEE DRW. #B-E8004 FOR WIRE ASSEMBLIES.

TRANSPORTATION DAMAGE AND CLAIMS

All Pedigo equipment is sold F.O.B. shipping point, and when accepted by the carrier, such shipments become the property of the consignee.

Should damage occur in shipment, it is a matter between the carrier and the consignee. In such cases, the carrier is assumed to be responsible for the safe delivery of the merchandise, unless negligence can be established on the part of the shipper.

1. Make an immediate inspection while the equipment is still in the truck or immediately after it is moved to the receiving area. Do not wait until after the material is moved to a storage area.
2. Do not sign a delivery receipt or a freight bill until you have made a proper count and inspection of all merchandise received.
3. Note all damage to packages directly on the carrier's delivery receipt.
4. Make certain the driver signs this receipt. If he refuses to sign, make a notation of this refusal on the receipt.
5. If the driver refuses to allow inspection, write the following on the delivery receipt:

   Driver refuses to allow inspection of containers for visible damage.
6. Telephone the carrier's office immediately upon finding damage, and request an inspection. Mail a written confirmation of the time, date, and the person called.
7. Save any packages and packing material for further inspection by the carrier.
8. Promptly file a written claim with the carrier and attach copies of all supporting paperwork.

We will continue our policy of assisting our customers in collecting claims which have been properly filed and actively pursued. We cannot, however, file any damage claims for you, assume the responsibility of any claims, or accept deductions in payment for such claims.

PEDIGO LIMITED WARRANTY

Pedigo Products, Inc. warrants to the original purchaser that any original part that is found to be defective in material or workmanship will, at our option, subject to provisions hereinafter stated, be replaced with a new or rebuilt part.

The labor warranty remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first.

The parts warranty for the cavity fan motor remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first. The parts warranty on all other parts remains in effect three (3) years from installation or thirty-nine (39) months from the shipping date, whichever occurs first.

This warranty does not apply to:

1. Calibration
2. Equipment damage caused by accident, shipping, improper installation or alteration.
3. Equipment used under conditions of abuse, misuse, carelessness or abnormal conditions including equipment subjected to harsh or inappropriate chemicals including but not limited to compounds containing chloride or quaternary salts, poor water quality, or equipment with missing or altered serial numbers.
4. Any losses or damage resulting from malfunction, including loss of contents or consequential or incidental damages of any kind.
5. Equipment modified in any manner from original model, substitution of parts other than factory authorized parts, removal of any parts including legs, or addition of any parts.
6. Collateral or incidental damage as a direct result of servicing equipment built into a wall structure is not covered under warranty. It is the responsibility of the owner to bear all expense related to structural repairs including, but not limited to, external electrical connections and wiring, and the removal or replacement of caulk, grout, tile, or wall covering of any kind. A service access panel for built-in equipment installations is strongly recommended.

This warranty is exclusive and is in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose. In no event shall the Company be liable for loss of use, loss of revenue, or loss of contents or revenue, or for indirect or consequential damages. This warranty is in lieu of all other warranties expressed or implied and Pedigo Products, Inc. neither assumes nor authorizes any persons to assume for it any other obligation or liability in connection with Pedigo Products, Inc. equipment.

Record the model and serial numbers of the unit for easy reference. Always refer to both model and serial numbers in your correspondence regarding the unit.

Model: _____

Serial Number: _____

Purchased From: _____

Date Installed: _____ Voltage: _____

4/02

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